

**IN THE SPECIFICATION:**

Kindly amend the paragraph beginning on page 3, line 4, as follows:

According to a ninth aspect of the present invention, each tap of the first FIR filter has a corresponding coefficient W as follows:

$$W_0 = \text{unity}$$

$$0 < \sum_{-i}^M W_o + \sum_1^n W_i \ll 1, \text{ and}$$

$$-1 [[<<]] \leq W_1, \dots W_n [[<<]] \leq 0.$$

Kindly amend the paragraph beginning on page 4, line 25, as follows:

According to a twenty-ninth aspect of the present invention, each tap of the first FIR filter means has a corresponding coefficient W as follows:

$$W_0 = \text{unity}$$

$$0 < \sum_{-i}^M W_o + \sum_1^n W_i \ll 1, \text{ and}$$

$$-1 [[<<]] \leq W_1, \dots W_n [[<<]] \leq 0.$$

Kindly amend the paragraph beginning on page 8, line 25, as follows:

The selection of the coefficients W is critical in providing the response defined in Fig. 5. To achieve this response, the selection of the coefficients W is critical. The appropriate selection of coefficients  $W_1 \dots W_n$  determines the sharpness of the response, and the appropriate selection of coefficients  $W_m \dots W_1$  effectively cancels the precursor tail. In the present embodiment the coefficients are selected from the following constraints:

$$W_0 = \text{unity}$$

$$0 < \sum_{-i}^M W_o + \sum_1^n W_i \ll 1$$

-1 [[<<]] ≤ W<sub>1</sub>, ... W<sub>n</sub> [[<<]] ≤ 0,

in the preferred embodiment

W<sub>0</sub>=1

W<sub>-1</sub>=-0.1

W<sub>-1</sub>+W<sub>0</sub>+W<sub>1</sub>+W<sub>2</sub>+W<sub>3</sub>=0.1

|W<sub>1</sub>|>|W<sub>2</sub>|>|W<sub>3</sub>|

-1 [[<<]] ≤ W<sub>1</sub>, W<sub>2</sub>, W<sub>3</sub> [[<<]] ≤ 0, preferably W<sub>1</sub>=-.35, W<sub>2</sub>=-.25, and W<sub>3</sub>=-.20.